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Term:

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Search History

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<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
	side by side			result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR				
<u>L6</u>	ammonia near5 chromogen\$		51	<u>L6</u>
<u>L5</u>	L4 and l3		48	<u>L5</u>
<u>L4</u>	L1 near50 (amine or polyamine or ammonia or amines)		101	<u>L4</u>
<u>L3</u>	L2 and (gas\$ or air or breath or breathing)		1013	<u>L3</u>
<u>L2</u>	L1 and (amine or polyamine or ammonia or amines)		1484	<u>L2</u>
<u>L1</u>	\$benzhydrol or (\$diphenyl near carbinol) or \$bisdimethylaminobenzhydrol or \$diphenylcarbinol		2076	<u>L1</u>

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<input type="checkbox"/>	L22	L21 and l20	15
<input type="checkbox"/>	L21	(color or indicator or dye or chromogen) near3 (amine or ammonia or ammonium or diamine or polyamne)	15940
<input type="checkbox"/>	L20	L19 and kit.ti,ab,clm.	186
<input type="checkbox"/>	L19	L17 and (device or apparatus or devise or tube or collection or collect\$).ti,ab.	31526
<input type="checkbox"/>	L18	L17 and (device or apparatus or devise or kit or tube or collection or collect\$).ti,ab.	32114
<input type="checkbox"/>	L17	(breath or halitosis! or ammonia).ti,ab.	249720
<input type="checkbox"/>	L16	l14 and (pylori or urease or helicobacter or pyloris or pyloridis or pyroli or hpylori)	23
<input type="checkbox"/>	L15	L14 same (ammonia or nh3 or diamines or polyamine or poly-amine)	185
<input type="checkbox"/>	L14	\$aryl methane near3 (dye or indicat\$ or chromogen\$)	3576
<input type="checkbox"/>	L13	\$aryl methane near3 (dye or indicator or chromogen\$)	3580
<input type="checkbox"/>	L12	(\$michler\$).clm. and kit.clm.	0
<input type="checkbox"/>	L11	(\$benzhydrol or \$benz-hydrol).clm. and kit.clm.	3
<input type="checkbox"/>	L10	(\$benzhydrol or \$benz-hydrol).clm. same kit.clm.	0
<input type="checkbox"/>	L9	(\$michler\$).clm. same kit.clm.	0
<input type="checkbox"/>	L8	L2.clm. same kit.clm.	14
<input type="checkbox"/>	L7	L2 and (nanoparticl or nano-particl\$)	6
<input type="checkbox"/>	L6	L2 and nanometer\$	329
<input type="checkbox"/>	L5	L2 same nano\$	22
<input type="checkbox"/>	L4	L3 and (kit or packag\$ or container\$ or compil\$ or commercial\$ or distribut\$)	500
<input type="checkbox"/>	L3	L2 and nano\$	558
<input type="checkbox"/>	L2	triaryl methane or triaryl-methane or tri-aryl-methane or (triaryl near2 methane)	6735
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L1	4407960.pn.	1

END OF SEARCH HISTORY

DOCUMENT-IDENTIFIER: US 5709837 A

TITLE: Dry analytical element containing amphotolyte

Detailed Description Text (48):

In the case of analyzing ammonia, coloring ammonia indicators include leuco dyes, such as leuco cyanine dye, nitro-substituted leuco dye and leuco phthalein dye, disclosed in U.S. Re. Pat. No. 30 267 or Japanese Patent KOKOKU 58-19062, pH indicators, such as Bromophenol Blue, Bromocresol Green, Bromthymol Blue, Quinoline Blue and rosolic acid disclosed in "Kagaku Dai Jiten, (Encyclopaedia Chimica)", vol. 10, pp 63-65, Kyoritsu Shuppan, Tokyo, 1962, triarylmethane dye precursors, leuco benzylidene dyes disclosed in Japanese Patent KOKAI 55-379 or 56-145273, diazonium salts and azo couplers, and alkali-bleachable dyes. A preferable-blending amount of the coloring ammonia indicator is about 1 to 20 wt. % of the weight of the binder.

Detailed Description Text (49):

The reagent reacting with an ammonia-producing substance to produce ammonia is preferably an enzyme or a reagent containing an enzyme, and the enzyme suitable for the analysis can be selected according to the type of the ammonia-producing substance which is the analyte. In the case of using an enzyme as the above reagent, the combination of ammonia-producing substance and reagent is decided by the specificity of the enzyme. Examples of ammonia-producing substance/reagent are urea/urease, creatinine/creatinine deiminase, amino acid/amino acid dehydrogenase, amino acid/amino acid oxidase, amino acid/ammonia lyase, amine/amine oxidase, diamine/amine oxidase, glucose and phosphoamidate/phosphoamidate hexose phosphotransferase, ADP/carbamate kinase and carbamoylphosphate, acid amide/amide hydrolase, nucleobase/nucleobase deaminase, nucleoside/nucleoside deaminase, nucleotide/nucleotide deaminase, guanine/guanase, etc. Alkaline buffers usable for the reagent layer are usually in the range of pH 7.0 to 12.0, preferably 7.5 to 11.5.

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<input type="checkbox"/>	L28	2005040794	4
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<input type="checkbox"/>	L20	L19 and L14	23
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<input type="checkbox"/>	L18	L17 and l14	595
<input type="checkbox"/>	L17	(air or breath or gas\$) near10 (collect\$ or test\$ or indicat\$ or detect\$ or measur\$)	757061
<input type="checkbox"/>	L16	L15 not l3 not l7	148
<input type="checkbox"/>	L15	L14 and ((breath or urine or volital\$ or breathing or air or gas) near10 (ammonia or amine or diamine or di-amine or polyamine or poly-amine))	150
<input type="checkbox"/>	L14	(bdmb or \$benzhydrol or \$michler\$)	7592
<input type="checkbox"/>	L13	L10 same (breath or urine or volital\$ or breathing or air or gas) not l3	261
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<input type="checkbox"/>	L11	L10 and (breath or urine or volital\$ or breathing or air)	1732
<input type="checkbox"/>	L10	(mh or bdmb or \$benzhydrol or \$michler\$) same (ammonia or amine or diamine or di-amine or polyamine or poly-amine or amino)	3591
<input type="checkbox"/>	L9	(mh or bdmb or \$benzhydrol or \$michler\$).ti,ab,clm.	5803
<input type="checkbox"/>	L8	(mh or bdmb or \$benzhydrol or michler\$).ti,ab,clm.	5803
<input type="checkbox"/>	L7	L6 and (kit or packaging or packaged) and (devise or device or apparatus)	7
<input type="checkbox"/>	L6	L4 not l3	570
<input type="checkbox"/>	L5	L4 not l4	0

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|--------------------------|----|--|------|
| <input type="checkbox"/> | L4 | 11 same (ammonia or amine or diamine or di-amine or polyamine or poly-
amine or amino).ti,ab,clm. | 574 |
| <input type="checkbox"/> | L3 | L2 and (kit or packaging or packaged) and (devise or device or
apparatus).ti,ab,clm. | 4 |
| <input type="checkbox"/> | L2 | L1 and (ammonia or amine or diamine or di-amine or polyamine or poly-
amine or amino).ti,ab,clm. | 1007 |
| <input type="checkbox"/> | L1 | (mh or bdmr or \$benzhydrol or michler\$).ti,ab,clm. | 5803 |

END OF SEARCH HISTORY

Search Results - Record(s) 1 through 31 of 31 returned.

-
1. 20050112085. 16 Oct 03. 26 May 05. Odor controlling article including a visual indicating device for monitoring odor absorption. MacDonald, John Gavin, et al. 424/76.1; A61L009/01.
-
2. 20040054244. 12 Sep 03. 18 Mar 04. Process of quadricyclane production. Cahill, Paul A., et al. 585/400; 204/157.6 C07F001/00 C07F003/00 C07C403/00.
-
3. 20040031675. 12 Aug 03. 19 Feb 04. Process of quadricyclane production. Cahill, Paul A., et al. 204/157.6; 204/157.63 C07B031/00.
-
4. 6635152. 07 Jun 00; 21 Oct 03. Process of driving a non-polymerization solution-phase photochemical transformation. Cahill; Paul A., et al. 204/157.15; 204/157.6. C07C006/00 C07F001/00 .
-
5. 6413583. 22 Jun 99; 02 Jul 02. Formation of a liquid-like silica layer by reaction of an organosilicon compound and a hydroxyl forming compound. Moghadam; Farhad K., et al. 427/249.15; 257/E21.279 257/E21.576 257/E21.579 427/255.37 427/579 438/763 438/787 438/789 438/790. C23C016/40 C23C016/42 C23C016/32 C23C016/455 H01L021/312 H01L002/314 .
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6. 5800887. 06 Dec 95; 01 Sep 98. Oxygen-absorbing container. Koyama; Masayasu. 428/36.7; 206/205 206/213.1 428/35.4 428/36.6 428/412 428/423.1. B29D022/00 .
-
7. 4303632. 14 Dec 79; 01 Dec 81. Preparation of hydrogen peroxide. Gosser; Lawrence W.. 423/591; 568/321. C01B015/02 .
-
8. 3963853. 27 Dec 72; 15 Jun 76. Pressure sensitive transfer sheet. Hughes; Nigel, et al. 503/218; 428/487 428/914 503/220 503/221 549/225 549/226. B41C001/06 B41M005/16 .
-
9. 3871885. 20 Oct 72; 18 Mar 75. CRYSTALLINE PHOTO-POLYMERIZABLE COMPOSITION. Hertler; Walter Raymond. 430/281.1; 430/271.1 430/283.1 430/916 430/923 522/37 522/39 522/40 522/43 522/46 522/6 522/63 522/9. G03c001/68 G03c001/70 .
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10. 3839424. 01 Oct 74. LEUCAURAMINE DERIVATIVES. EVANS R; RENFREW A ; BOYD V ; HOLT K. 562/442; 987/165 987/224.
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11. 3830835. 20 Aug 74. LEUCAURAMINE DERIVATIVES. EVANS R; RENFREW A ; BOYD V ; HOLT K. 562/66; 544/121 544/124 544/128 544/143 544/165 544/82 544/84 544/85 546/22 546/264 546/312 548/413 548/455 548/524 548/578 558/29 558/59 560/309 562/67 987/165 987/224.
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12. 3825507. 23 Jul 74. LEUCAURAMINE DERIVATIVES. EVANS R; RENFREW A ; BOYD V ; HOLT K. 562/441; 462/69 544/130 544/131 544/143 544/159 544/165 544/382 544/80 544/82 544/86 546/171 546/184 546/229 546/316 546/329 546/94 562/430 562/440 987/165 987/224.
-
13. 3814604. 04 Jun 74. PHOTOIMAGING SYSTEMS BASED UPON PHOTOREARRANGEMENT OF N-VINYL SULFONAMIDES TO BETA-SULFONYLINYLMAMINES. HERTLER W. 430/332; 430/342 430/343 430/374 430/541 564/84 564/89 564/90 564/92 564/93 564/98.
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14. 3775442. 27 Nov 73. PROCESS FOR THE MANUFACTURE OF A TRIARYLMETHANE COMPOUND. HUGHES N. 552/106; 552/108 552/111 552/114.
-
15. 3696080. 03 Oct 72. CYCLOBUTENE HOMOPOLYMERS AND COPOLYMERS. GALE DAVID M. 526/291; 526/229 526/297 526/298 526/300 526/309 526/93.
-
16. 3586667. 22 Jun 71. PENICILLIN ESTERIFICATION PROCESS. HATFIELD LOWELL D. 540/318;
-
17. 3523112. 04 Aug 70. METHOD OF PURIFYING HYDROCARBON STREAM PRIOR TO POLYMERIZATION. BROCK MARLYN J. 526/60; 526/183 585/501 585/518 585/521 585/956.
-
18. 3512930. 19 May 70. STABILIZED FERROMAGNETIC CHROMIUM DIOXIDE. INGERSOLL HENRY GILBERT; BOTTJER WILLIAM GEORGE. 423/274; 252/62.51C 423/607 427/128.
-
19. 3491006. 20 Jan 70. PROCESS FOR PREPARING CYCLOBUTANE-1,2-DINITRILE FROM ACRYLONITRILE. KACHE REINHARD; RUNGE JURGEN. 204/157.85; 204/903 204/909 204/910 204/911 204/912 562/590.
-
20. 3376304. 02 Apr 68. 2-(r-r1-r2-methyl)-6-r3-6-r4-fulvenes. JOSEPH MOHRBACHER RICHARD; IRELAND POOS GEORGE. 546/176; 424/59 424/60 546/152 546/153 546/266 546/314 546/343 546/348 546/350 548/202 548/203 548/204 548/205 548/235 548/236 548/312.4 548/314.4 548/315.1 548/315.4 548/335.1 548/341.1 548/346.1 548/365.1 548/365.4 549/78 556/69 556/70. 560/108 560/140 560/27 564/310 564/80 568/52 568/53 568/64 568/67 568/807 585/23 585/27 585/357 585/361 585/425 585/469.
-
21. 3268395. 23 Aug 66. Method of combatting acarids. TAYLOR JAMES L. 514/493;.
-
22. 3267145. 16 Aug 66. Process for producing nuclear substituted aromatic amines. JOHN VITRONE; LUND RICHARD B. 552/104; 528/44 564/315 568/715 568/807 568/809 568/812.
-
23. 3260570. 12 Jul 66. Process of oxidation of organic compounds with molecular oxygen. RUSSELL GLEN A. 423/581; 244/74 423/582 568/34 568/37.
-
24. 3199946. 10 Aug 65. Removal of hydrogen sulfide from hydrocarbon fuel gases. FUJITA ROBERT K; HOLE HOWARD D. 423/230; 252/191 252/192 423/576.2 423/576.5 502/401 502/406.
-
25. 2955356. 11 Oct 60. Bombsight. WHEELER LISLE L; GARBARINI ROBERT F. 235/401; 89/1.51.
-
26. 2935515. 03 May 60. Antispasmodic. LARRABEE CLIFFORD E. 548/408;.
-
27. 2865932. 23 Dec 58. Azides of di-carboxyaryl compounds. MACMULLEN CLINTON W; LEADER GORDON R. 552/6; 521/128 521/95 564/149 564/150.
-
28. 2691827. 19 Oct 54. Adjustable orifice unit. FAY ALLER WILLIS. 33/701; 33/542 33/558 33/837 33/DIG.1 33/DIG.2 73/37.5.
-
29. 2534229. 19 Dec 50. Method and apparatus for detecting hydrogen cyanide. CARHART

HOMER W; KRYNITSKY JOHN A. 436/109; 206/219 206/524.4 206/568 206/569 422/56.

30. 2384817. 18 Sep 45. Catalytic alkaline oxidation of alcohols. CHITWOOD HENRY C. 562/526; 554/132 562/537 562/539.

31. 2367264. 16 Jan 45. Beneficiating lubricants, etc.. BURK ROBERT E; HUGHES EVERETT C. 508/560; 252/401 508/188 508/362 508/556 508/557.



Term	Documents
((14 SAME 17) NOT 20).PGPB,USPT,USOC,EPAB,JPAB,DWPI.	31
(L17 SAME L14 NOT L20).PGPB,USPT,USOC,EPAB,JPAB,DWPI.	31

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8. US20060005312A. Actual or impending overflow condition detecting system for use in e.g. restroom toilet, has monitoring station in wireless communication with data communications unit and overflow sensor for indicating level of water. BOGA, R, et al. A47K013/00 A47K013/24 E03C001/00 G01F023/00 G05B009/02.

9. US20060003336A. Diagnostic kit for detecting amine/enzyme/enzyme inhibitor in a test sample comprises several reactive complexes containing substrate joined to reporter and separation species; and chromatographic medium defining first enzyme detection zone. BOGA, R, et al. C12Q001/04 C12Q001/68 G01N033/53 G01N033/558 G01N033/573.

10. US20050266507A. Kit useful for detecting target antigens, comprises antibody pair having first and second high affinity antibody preparations and instructions for performing immunoassay with antibody preparations. BOGA, R. G01N033/53 G01N033/537 G01N033/543.

11. US20050191704A. Assay device, useful for detecting the presence or absence of amines within a test sample, comprises a fluidic medium that defines a detection zone. BOGA, R, et al. C12Q001/04 G01N033/52 G01N033/53 G01N033/543.

12. US20050136553A. Diagnostic test unit for collecting and analyzing biological specimen, e.g. saliva, comprises rupturable seal that inhibits leakage of fluid from fluid chamber prior to use. BOGA, R, et al. A61M035/00 G01N001/00 G01N001/02 G01N033/543 G01N033/558 G01N035/02.

13. US20050136500A. Detecting the presence or quantity of an analyte residing in a test sample comprises forming a flow-through assay device and contacting the test sample with the fluidic channel of the assay device. BOGA, R, et al. C12Q001/54 G01N033/543 G01N033/558.

14. US20050131287A. Detecting premature rupture of amniotic membrane comprises testing vaginal fluid for pH and determining the results as an irreversible change in testing medium. BOGA, R, et al. A61B005/00 B65D081/00.

15. US20050124072A. Personal care product, e.g. feminine hygiene pads, absorbent underpants, feminine tampons, swabs, or removable patches, comprises indicator having deposit(s) of amine sensitive dye. BOGA, R, et al. A61F013/15 A61F013/42 A61L015/16 A61L015/56 C12Q001/04 G01N033/00 G01N033/52.

16. US20050112779A. Flow-through assay device for detecting the presence or quantity of analyte residing in test sample, e.g. blood, has competitive zone containing first capture reagent and detection zone immobilized with second capture reagent. BOGA, R, et al. G01N033/558.

17. WO2005039656A. Article for controlling odor e.g. body odor, foot odor, urinary odor, tobacco odor comprises at least one visual indicating agent that is color sensitive to the odor. BOGA, R, et al. A61F013/15 A61F013/42 A61F013/49 A61L009/01 A61L009/012 A61L009/014 A61L009/16 A61L015/16 B01J020/02 B01J020/06 C09K003/00 G01N031/22 G01N033/00.

18. US20050085739A. Breath testing device for use in dispenser, has visual indicating agent inserted into tube or straw and changing color of strip when user with bad breath blows into straw, where agent is color sensitive to odorous compound. BOGA, R, et al. A61B005/08 B41M005/132 G01N021/77 G01N021/78 G01N031/00 G01N031/22 G01N033/00 G01N033/483 G01N033/497 G01N033/52.

19. US20050084977A. Breath testing device for detecting the presence of ammonia odors and

helicobacter pylori urease infection, comprises a visual indicating agent, which is color sensitive to ammonia. BOGA, R, et al. G01N033/00 G01N033/53.

-
- 20. US20040247694A. Slimming treatment formulation for treating obesity and overweightness, comprises hypothalamus powder, hypophysis powder, thyroid powder, and suprarenal cortex powder and pancreas powder. BOGAS, C A M. A61K035/26 A61K035/78.
 - 21. EP 1455260A. Housing for e.g. computer system, has port cover with barrier and toothed engaging portion operative, in use, to cooperate with toothed engaging portion of drawer, for restricting sliding movement of cover relative to drawer. BOGA, H, et al. G06F001/16 G06F001/18.
 - 22. US20040170116A. Optical disk e.g. compact disk, has microscopic relief patterns formed on substrate top face to store information in digital format, and macroscopic relief patterns formed on substrate bottom face to form protective barrier. BOGA, M, et al. G11B007/24.
 - 23. EP 1447471A. Suction box seal strip for suction rolls in paper machines, manufactured from mixture comprising nitrile rubber, graphite, and wax. BOGA, W, et al. B41F001/00 D21F001/48 D21F003/10 F16J015/16.
 - 24. CA 2415799A. Optical disk e.g. compact disk includes macroscopic relief pattern comprising concentric rings or series of peaks and valleys, provided on one surface of substrate, which functions as protective barrier for disk. BOGA, M, et al. G11B007/24.
 - 25. US20040106190A. New flow-through assay device, useful for detecting the presence or quantity of an analyte residing in a test sample e.g. detecting chemical or biological contamination in garments. BOGA, R, et al. C12M001/34 C12M001/40 C12Q001/00 C12Q001/26 G01N033/543.
 - 26. US20040048323A. Detecting antibody (Ab) pair binding to antigen comprises screening Ab preparations with antigen, producing first, second high affinity Ab, immobilizing first Ab, measuring affinity of Ab and selecting Ab with high specificity. BOGA, R. G01N000/00 G01N033/53 G01N033/536.
 - 27. US20040002110A. Enhanced diffraction based biosensor system for detecting analyte of interest in test medium, has substrate member having receptive material, and a detection tag material having measurable emitted parameter. BOGA, R, et al. C12Q001/70 G01N033/52 G01N033/53 G01N033/543 G01N033/569.
 - 28. US 6364718B. Keying apparatus for electrical connector, has support walls of silos and locating walls of receptacles of equal thickness. BOGA, G E, et al. H01R013/639 H01R013/64 H01R013/642.
 - 29. DE 10125409A. Task distribution system for distributing data processing transactions has arrangement for requesting data processing transactions, distribution server, user-interactive display arrangement. BOGA, B S, et al. G06F009/00 G06F009/46 G06F015/16.
 - 30. US 6127420A. New L-ornithine or L-lysine derivatives useful for selectively and irreversibly inhibiting neuronal isoform of nitric oxide synthase catalyzed production of nitric oxide for treatment of stroke or migraine. BOGA, R B, et al. A61K031/197 C07D251/14..
 - 31. ES 2080024A. New recombinant vaccine sub-unit against rabbit haemorrhagic disease virus - used in vaccines. BOGA, J A, et al. A61K039/125 C07K014/085 C12N015/41 C12N015/86.

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32. US 5074182A. Electronic musical instrument for pre-recorded songs - has combination of control, string neck, bender and percussion switches, to control addition of solos. BOGAS, E N, et al. G01H007/00 G01M007/00 G04B013/00.
-
33. HU 43544T. Treatment of waste water - by chemical addn., clarification and filtration. BOGA, L, et al. C02F001/40.
-
34. EP 179887B. New antigen comprising determinant of adhesion polypeptide - useful in immunisation against bacterial infections and in antibody prodn. for diagnosis of the infections. BAGA, B M, et al. A61K039/00 A61K039/02 A61K039/085 A61K039/106 A61K039/108 A61K039/112 A61K039/40 C07H021/00 C07H021/04 C07K013/00 C07K014/195 C07K014/24 C07K014/245 C07K015/04 C07K016/00 C07K016/12 C12N005/10 C12N015/00 C12N015/09 C12N015/31 C12N015/62 C12P021/00 C12P021/02 G01N033/531 G01N033/569 C12P021/02 C12R001:19 C12P021/02 C12R001:36 C12P021/02 C12R001:38 C12P021/02 C12R001:01 C12P021

The Partners

From: "Portner, Ginny" <Ginny.Portner@USPTO.GOV>
To: <portner@cox.net>
Sent: Thursday, September 06, 2007 5:06 PM
Subject: structure Michler's hydrol

Glacier notes

4,4'-Bis(dimethylamino)benzhydrol

4,4'-Bis(dimethylamino)benzhydrol

4,4'-Bis(dimethylamino)diphenyl carbinol



4,4'-bis(Dimethylamino)benzhydrol

Michler's hydrol

4,4'-Bis(dimethylamino)benzhydrol = 4,4'-Bis(dimethylamino)diphenyl carbinol

Benzhydrol 4-4' - Bis {Dimethylamino}

4,4'-Bis(dimethylamino)diphenylcarbinol

bis(4-(dimethylamino)phenyl)methanol

4,4'-Bis(Dimethylamino) benzhydrol

RN: 119-58-4

MF: C₁₇H₂₂N₂O

C₁₇H₂₂N₂O



MW: 270.37448

mp (°) 98 - 105

C):



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File 156: ToxFile 1965-2007/Sep W1
(c) format only 2007 Dialog

*File 156: ToxFile has been reloaded. Accession numbers have changed.

File 159: Cancerlit 1975-2002/Oct
(c) format only 2002 Dialog

*File 159: Cancerlit is no longer updating.
Please see HELP NEWS159.

File 162: Global Health 1983-2007/Jul
(c) 2007 CAB International

File 164: Allied & Complementary Medicine 1984-2007/Sep
(c) 2007 BLHCIS

File 172: EMBASE Alert 2007/Aug 30
(c) 2007 Elsevier B.V.

File 266: FEDRIP 2007/Aug
Comp & dist by NTIS, Intl Copyright All Rights Res

File 369: New Scientist 1994-2007/Aug W2
(c) 2007 Reed Business Information Ltd.

File 370: Science 1996-1999/Jul W3
(c) 1999 AAAS

*File 370: This file is closed (no updates). Use File 47 for more current information.

File 399: CA SEARCH(R) 1967-2007/UD=14711
(c) 2007 American Chemical Society

*File 399: Use is subject to the terms of your user/customer agreement.
IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp

File 444: New England Journal of Med. 1985-2007/Aug W2
(c) 2007 Mass. Med. Soc.

File 467: ExtraMED(tm) 2000/Dec
(c) 2001 Informania Ltd.

Set Items Description

--- --- -----

? e rn=119-58-4

Ref	Items	Index-term
E1	1	RN=119-56-2DP
E2	77	RN=119-56-2P
E3	206	*RN=119-58-4
E4	1	RN=119-58-4
E5	1	RN=119-58-4
E6	7	RN=119-58-4D
E7	1	RN=119-58-4DP
E8	17	RN=119-58-4P
E9	83	RN=119-59-5
E10	1	RN=119-59-5
E11	1	RN=119-59-5
E12	3	RN=119-59-5D

Enter P or PAGE for more

? s e3 or e4 or e5

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

206	RN=119-58-4
2	RN=119-58-4
2	RN=119-58-4

S1 206 RN='119-58-4' OR RN='119-58-4' OR RN='119-58-4'

? e ammonia

Ref	Items	RT	Index-term
E1	142		AMMONI
E2	1		AMMONI-AGENIC COMA COMA
E3	353628	31	*AMMONIA
E4	2		AMMONIA (CEPHALOPODA)
E5	14		AMMONIA (FORAMINIFERAN)
E6	1		AMMONIA (MIXTURE OF NITROGEN AND HYDROGEN)
E7	1		AMMONIA (M1C12)
E8	1		AMMONIA (NHA TITANIUM NITRIDE (TIN))
E9	1		AMMONIA (NHINF 3)
E10	1		AMMONIA (NHSUB3)
E11	1		AMMONIA (NHSUB3) EMISSIONS
E12	5		AMMONIA (NH3)

Enter P or PAGE for more

? s e3 or ammonia?

353628 AMMONIA

373475 AMMONIA?

S2 373475 'AMMONIA' OR AMMONIA?

? ds

Set	Items	Description
S1	206	RN='119-58-4' OR RN='119-58-4' OR RN='119-58-4'
S2	373475	'AMMONIA' OR AMMONIA?

? s s1 and s2

206	S1
373475	S2
S3	3 'S1 AND S2

? t s3/6/all

3/6/1 (Item 1 from file: 399)

DIALOG(R)File 399:(c) 2007 American Chemical Society..All rts. reserv.

Method and device for detecting ammonia odors and helicobacter pylori urease infection

3/6/2 (Item 2 from file: 399)

DIALOG(R)File 399:(c) 2007 American Chemical Society. All rts. reserv.

Test paper free of the influence of ammonia

3/6/3 (Item 3 from file: 399)
DIALOG(R)File 399:(c) 2007 American Chemical Society. All rts. reserv.

Halochromic molecules. 5. Synthesis of substituted
6H-chromeno(4,3-b)indolizines and their aza-analogs
? t s3/3,kwic/1-2
>>>KWIC option is not available in file(s): 399

3/3,KWIC/1 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2007 American Chemical Society. All rts. reserv.

142370355 CA: 142(20)370355z PATENT
Method and device for detecting ammonia odors and helicobacter pylori
urease infection
INVENTOR(AUTHOR): Boga, Rameshbabu; MacDonald, John Gavin
LOCATION: USA
ASSIGNEE: Kimberly-Clark Worldwide, Inc.
PATENT: U.S. Pat. Appl. Publ. ; US 20050084977 A1 DATE: 20050421
APPLICATION: US 2003687327 (20031016)
PAGES: 12 pp. CODEN: USXXCO LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: 436113000; G01N-033/53A; G01N-033/00B

3/3,KWIC/2 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2007 American Chemical Society. All rts. reserv.

117019641 CA: 117(2)19641r PATENT
Test paper free of the influence of ammonia
INVENTOR(AUTHOR): Asai, Hiroyuki; Kawanishi, Tetsuaki
LOCATION: Japan,
ASSIGNEE: Terumo K. K.
PATENT: Japan Kokai Tokkyo Koho ; JP 9269570 A2 ; JP 0469570 DATE:
920304
APPLICATION: JP 90180554 (900710)
PAGES: 5 pp. CODEN: JKXXAF LANGUAGE: Japanese
PATENT CLASSIFICATIONS:
CLASS: G01N-031/22A; G01N-031/22B
? t s3/3/3

3/3/3 (Item 3 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2007 American Chemical Society. All rts. reserv.

102186650 CA: 102(22)186650q JOURNAL
Halochromic molecules. 5. Synthesis of substituted
6H-chromeno(4,3-b)indolizines and their aza-analogs
AUTHOR(S): Gunzenhauser, Sigmund; Balli, Heinz
LOCATION: Inst. Farbenchem., Univ. Basel, CH-4056, Basel, Switz.
JOURNAL: Helv. Chim. Acta DATE: 1985 VOLUME: 68 NUMBER: 1 PAGES:
56-63 CODEN: HCACAV ISSN: 0018-019X LANGUAGE: German
? t s3/9/3

3/9/3 (Item 3 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2007 American Chemical Society. All rts. reserv.

102186650 CA: 102(22)186650q JOURNAL
Halochromic molecules. 5. Synthesis of substituted

6H-chromeno(4,3-b)indolizines and their aza-analogs
AUTHOR(S): Gunzenhauser, Sigmund; Balli, Heinz
LOCATION: Inst. Farbenchem., Univ. Basel, CH-4056, Basel, Switz.
JOURNAL: Helv. Chim. Acta DATE: 1985 VOLUME: 68 NUMBER: 1 PAGES:
56-63 CODEN: HCACAV ISSN: 0018-019X LANGUAGE: German

SECTION:

CA141005 Dyes, Organic Pigments, Fluorescent Brighteners, and
Photographic Sensitizers

CA127XXX Heterocyclic Compounds (One Hetero Atom)

CA128XXX Heterocyclic Compounds (More Than One Hetero Atom)

IDENTIFIERS: chromenoindolizine prepn halochromism, color former
chromenoindolizine, indolizine chromeno prepn halochromism,
pyrazolopyridine prepn halochromism, diarylindolizinylcarbenium dye

DESCRIPTORS:

Dyes...

halochromic, chromenoindolizines and aza analogs, prepn. and NMR spectra
of

Halochromism...

of chromenoindolizines and their aza analogs

CAS REGISTRY NUMBERS:

90-94-8 530-44-9 1151-93-5 condensation of, with indolizinium compd.

119-58-4 cyclocondensation of, with (hydroxymethylphenyl)imidazopyridinium
perchlorate or (hydroxymethylphenyl)pyrazolopyridine

51317-87-4 cyclocondensation of, with aminopyridine or ethylpyridine

100-71-0 504-29-0 cyclocondensation of, with bromomethyl
hydroxymethylphenyl ketone

88467-81-6P 88467-88-3P 96315-35-4P 96315-36-5P 96315-37-6P
halochromic dye, prepn. and spectra of

96315-30-9P prepn. and cyclization of

88467-86-1P prepn. and cyclocondensation reaction with
(mesitylsulfonyl)hydroxylamine

96315-34-3P prepn. and cyclocondensation with benzophenones

88467-82-7P 96315-32-1P prepn. and spectra of

88467-85-0P prepn., condensation with bis(dimethylamino)benzhydryl alc.
and NMR spectrum of

88467-87-2P prepn., ether cleavage reaction and NMR spectrum of

88467-83-8P prepn., reaction with ammonia or Michlers hydrol and NMR
spectrum of

109-06-8 reaction of, with butyllithium and Me methoxymethylbenzoate

63113-79-1 reaction of, with butyllithium and methylpyridine

36016-40-7 reaction of, with methoxymethylphenacylpyridine

? ds

Set Items Description

S1 206 RN='119-58-4' OR RN='119-58-4' OR RN='119-58-4'

S2 373475 'AMMONIA' OR AMMONIA?

S3 3 S1 AND S2

? b 411

L16 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1945:10507 CAPLUS <>LOGINID::20070907>>
DN 39:10507
OREF 39:1642a-i,1643a-b
TI Condensations with Michler's ketone
AU Kehlstadt, Hans L.
SO Helvetica Chimica Acta (1944), 27, 685-701
CODEN: HCACAV; ISSN: 0018-019X
DT Journal
LA Unavailable
IT 569-64-2P, Malachite green 4924-75-8P, 5-Pyrazolone,
4-[4,4'-bis(dimethylamino)benzohydryl]-3-methyl-1-phenyl- 23043-41-6P,
Acridine, 1-methyl- 76943-54-9P, Acridan, 4-methyl- 115957-39-6P,
Acridan, 1-methyl- 115957-40-9P, Acridan, 3-methyl- 312915-88-1P,
Thiazole, 2,2'-methylenebis[4-phenyl- 854221-40-2P, Quinoline,
2-[2,2-bis(p-dimethylaminophenyl)ethyl]-1,2,3,4-tetrahydro-
855765-28-5P, 2-Quinolineethanol, α,α -bis(p-
dimethylaminophenyl)- 855765-28-5P, Benzohydrol, 4,4'-bis(dimethylamino)-
 α -2-quinolylmethyl- 855765-29-6P, Benzohydrol,
4,4'-bis(dimethylamino)- α -2-quinolylmethyl-, perchlorate
855765-29-6P, 2-Quinolineethanol, α,α -bis(p-
dimethylaminophenyl)-, perchlorate 857608-50-5P, Ammonia,
(phenethylidenedi-p-phenylene)bis(trimethyl- iodide) 858278-57-6P,
Quinoline, 2-[2,2-bis(p-dimethylaminophenyl)ethyl]-1,2,3,4-tetrahydro-,
methiodide 860533-76-2P, Ammonium, [(2-phenylvinylidene)di-p-
phenylene]bis(trimethyl- iodide) 861038-34-8P, Quinoline,
1-benzoyl-2-[2,2-bis(p-dimethylaminophenyl)ethyl]-1,2,3,4-tetrahydro-
RL: PREP (Preparation)
(preparation of)
IT 119-58-4, Benzohydrol, 4,4'-bis(dimethylamino)-
(reaction with quinaldine and 3-methyl-1-phenyl-5-pyrazolone)
IT 569-64-2P, Malachite green 4924-75-8P, 5-Pyrazolone,
4-[4,4'-bis(dimethylamino)benzohydryl]-3-methyl-1-phenyl- 23043-41-6P,
Acridine, 1-methyl- 76943-54-9P, Acridan, 4-methyl- 115957-39-6P,
Acridan, 1-methyl- 115957-40-9P, Acridan, 3-methyl- 312915-88-1P,
Thiazole, 2,2'-methylenebis[4-phenyl- 854221-40-2P, Quinoline,
2-[2,2-bis(p-dimethylaminophenyl)ethyl]-1,2,3,4-tetrahydro-
855765-28-5P, 2-Quinolineethanol, α,α -bis(p-
dimethylaminophenyl)- 855765-28-5P, Benzohydrol, 4,4'-bis(dimethylamino)-
 α -2-quinolylmethyl- 855765-29-6P, Benzohydrol,
4,4'-bis(dimethylamino)- α -2-quinolylmethyl-, perchlorate
855765-29-6P, 2-Quinolineethanol, α,α -bis(p-
dimethylaminophenyl)-, perchlorate 857608-50-5P, Ammonia,
(phenethylidenedi-p-phenylene)bis(trimethyl- iodide) 858278-57-6P,
Quinoline, 2-[2,2-bis(p-dimethylaminophenyl)ethyl]-1,2,3,4-tetrahydro-,
methiodide 860533-76-2P, Ammonium, [(2-phenylvinylidene)di-p-
phenylene]bis(trimethyl- iodide) 861038-34-8P, Quinoline,
1-benzoyl-2-[2,2-bis(p-dimethylaminophenyl)ethyl]-1,2,3,4-tetrahydro-
RL: PREP (Preparation)
(preparation of)
IT 119-58-4, Benzohydrol, 4,4'-bis(dimethylamino)-
(reaction with quinaldine and 3-methyl-1-phenyl-5-pyrazolone)

ANSWER 14 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1983:197756 CAPLUS <<LOGINID::20070907>>
DN 98:197756
TI 4,4'-Bis(dialkylaminophenyl)methane
IN Ferreira Filho, Alvaro Muniz; Gilbert, Maria Elisa Alentejano; Sampaio,
Licia Maria Carvalho
PA Instituto de Pesquisas da Marinha, Brazil
SO Braz. Pedido PI, 8 pp.
CODEN: BPXXDX
DT Patent
LA Portuguese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI BR 8103522	A	19830111	BR 1981-3522	19810603
PRAI BR 1981-3522		19810603		
IT 7783-20-2, uses and miscellaneous 12125-02-9, uses and miscellaneous				
RL: USES (Uses) (catalyst for reaction of dimethylaniline with formaldehyde)				
IT 101-61-1P				
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
IT 7783-20-2, uses and miscellaneous 12125-02-9, uses and miscellaneous				
RL: USES (Uses) (catalyst for reaction of dimethylaniline with formaldehyde)				
IT 101-61-1P				
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				